

VARIO® chemistry pumping unit PC 3001 VARIO^{pro}

Order no.: 2615531

This VARIO® chemistry pumping unit optimizes vacuum conditions automatically by precisely and continuously adjusting the diaphragm pump's motor speed. Thanks to the motor speed control the pump operates only when vacuum is needed, saving energy and reducing maintenance. The integrated vacuum controller enables fully automatic evaporation at a push of a button. Low space requirements, light weight and low operational noise contribute further to this unit's flexibility and popularity for laboratory use. The PC 3001 VARIO^{pro} is ideal for vacuum applications with high boiling point solvents. The inlet separator, made of glass with a protective coating, prevents droplets and particles from entering the pump.



Performance features

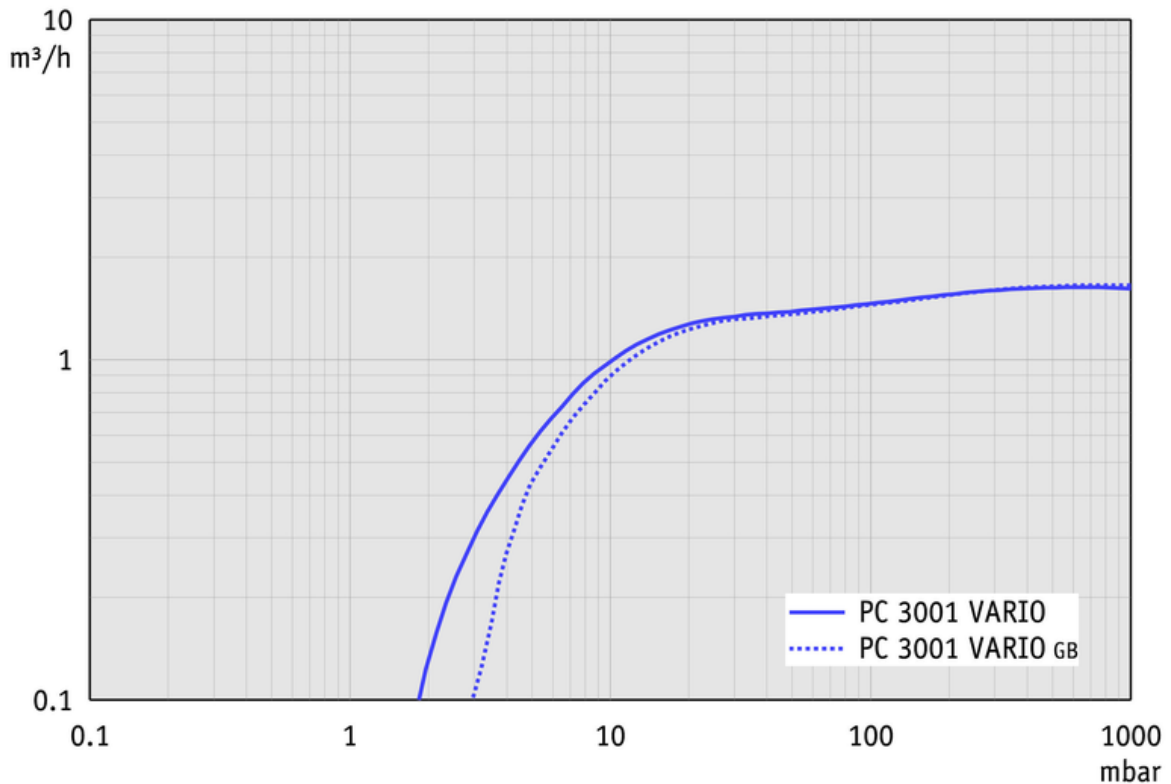
- easily operated CVC 3000 vacuum controller with clear text menus and integrated venting valve
- automatic optimization of the vacuum level throughout the process for high process reproducibility and unattended operation, short process times due to zero-fluctuation (hysteresis-free) vacuum control - even for large amounts of vapor
- compact and powerful; excellent ultimate vacuum, even with continuous condensate purge
- whisper quiet and ultra low vibration
- excellent environmental friendliness due to low power consumption

Technical data

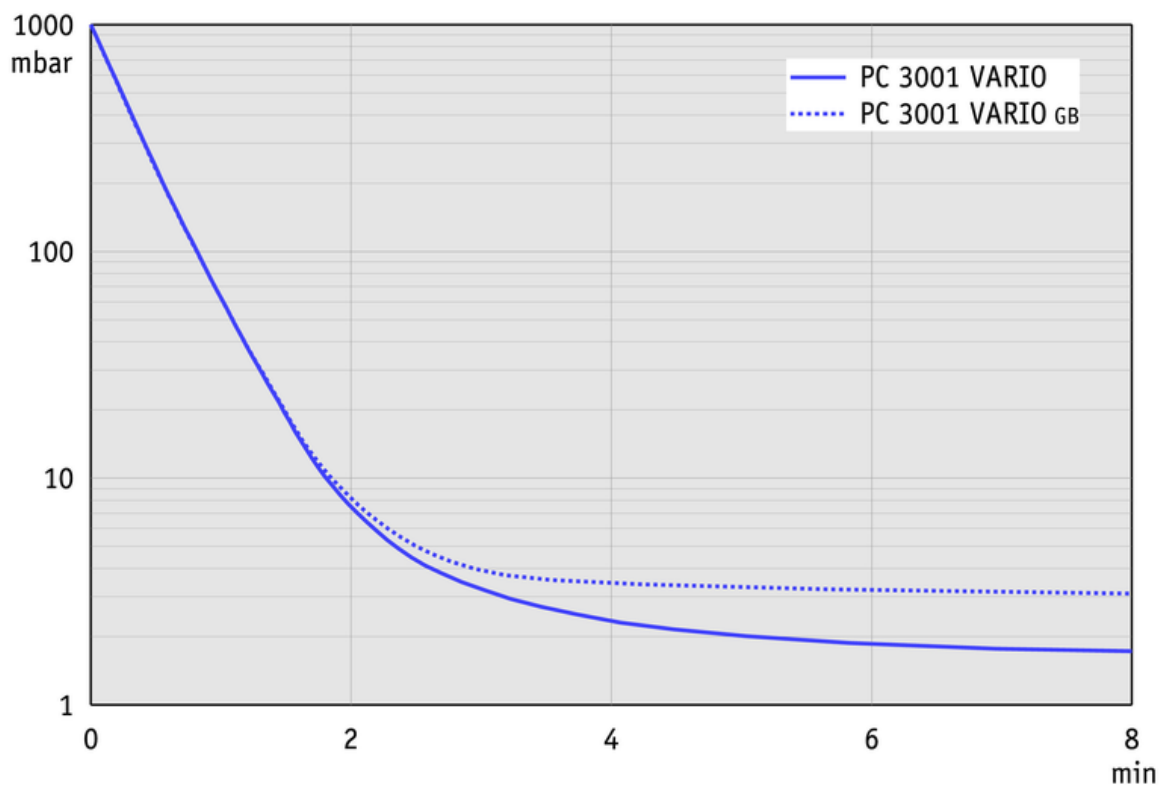
Vacuum controller		CVC 3000
Number of heads / stages		4 / 3
Max. pumping speed	m ³ /h	2.0
Max. pumping speed	cfm	1.2
Ultimate vacuum (abs.)	mbar/torr	2 / 1.5
Ultim. vac. (abs.) with gas ballast	mbar/torr	4 / 3
Ambient temperature range (operation)	°C	10 - 40
Ambient temperature range (storage)	°C	-10 - 60
Max. back pressure (abs.)	bar	1.1
Inlet connection		Hose nozzle DN 6-10 mm
Outlet connection		Hose nozzle DN 8-10 mm / silencer
Rated motor power	kW	0.16
Max. operating current	A	0.7

Motor speed range	min ⁻¹	200 - 3000
Degree of protection		IP 20
Dimensions (L x W x H), approx.	mm	300 x 306 x 400
Weight, approx.	kg	6.9
Noise level at 50 Hz, typ.	dBA	42
CE mark		Yes
NRTL certification		Canada and the USA
ATEX conformity		II 3G IIC T3 X Internal Atm. only
Items supplied		Pumping unit completely mounted, ready for use, with manual. Without emission condenser, with slip-on silencer.
Accessories		Rubber vacuum tubing DN 6 mm (686000) Rubber vacuum tubing DN 10 mm (686002) Vent valve VBM-B (674217) Upgrade kit emission condenser (699922)

Pumping speed graph



Pump down graph
(10 l volume)



Ordering data

Product name	Mains voltage and frequency	Plug	Order no.
PC 3001 VARIO ^{pro}	200-230 V~ 50-60 Hz 100-120 V~ 50-60 Hz	UK	2615531